X's CONTACT LIST
Y, ...

Y's CONTACT LIST
X,Z, ...

Z's CONTACT LIST
Y,A, ...

A's CONTACT LIST
Z, ...

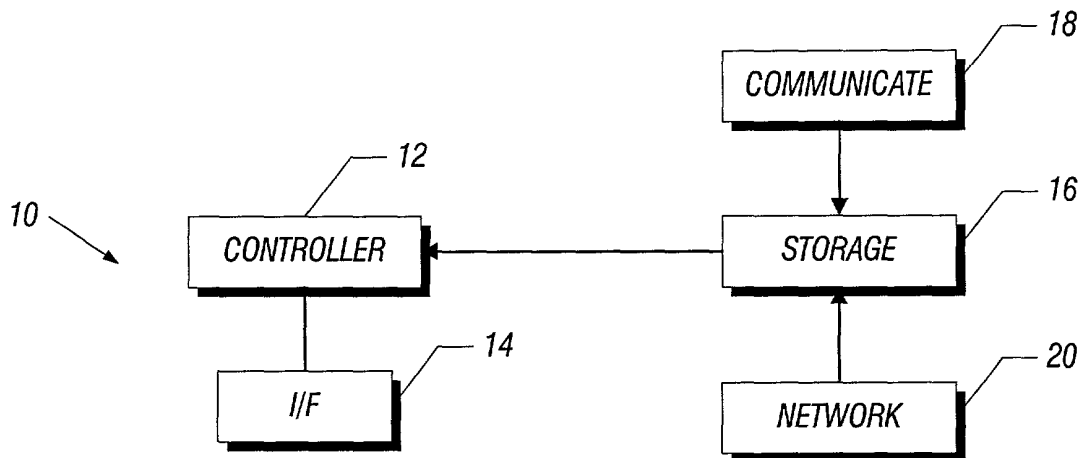**FIG. 1**

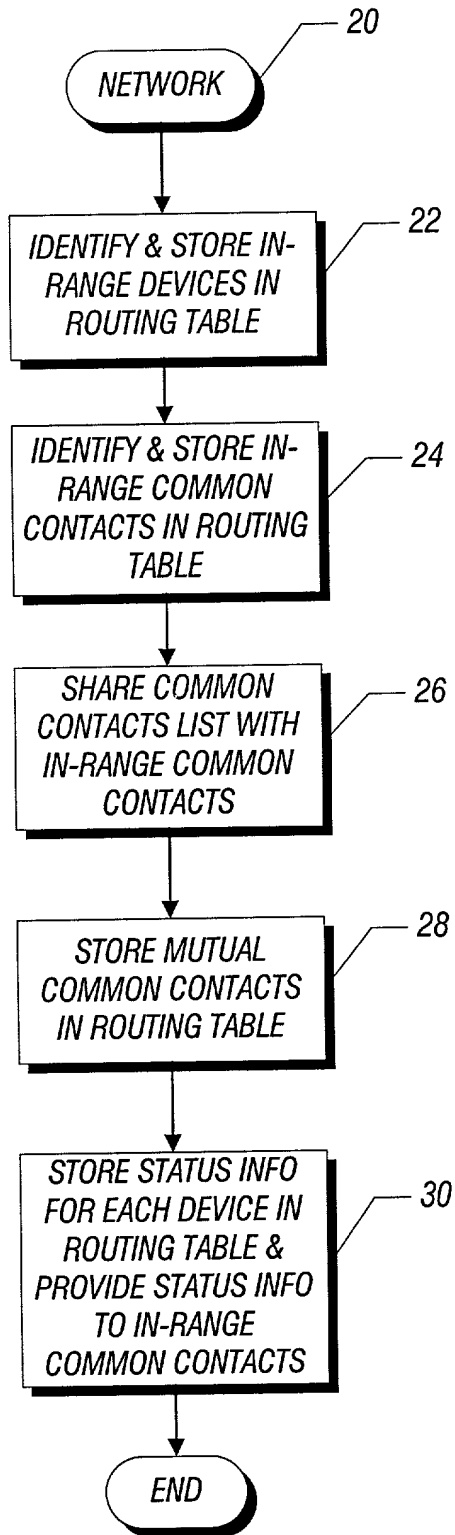

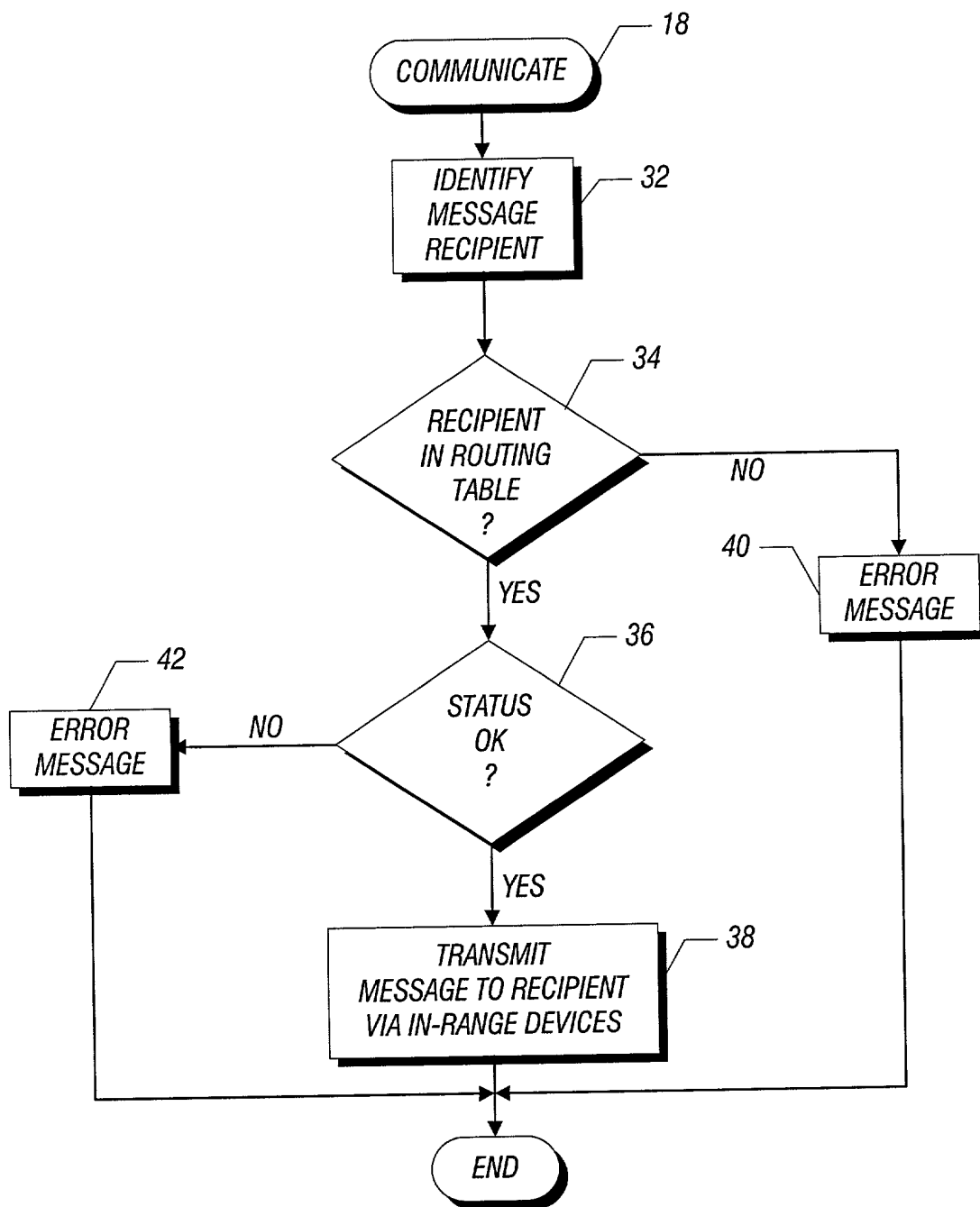**FIG. 2**

20

NETWORK

IDENTIFY & STORE IN-
RANGE DEVICES IN
ROUTING TABLE

22

IDENTIFY & STORE IN-
RANGE COMMON
CONTACTS IN ROUTING
TABLE

24

SHARE COMMON
CONTACTS LIST WITH
IN-RANGE COMMON
CONTACTS

26

STORE MUTUAL
COMMON CONTACTS
IN ROUTING TABLE

28

STORE STATUS INFO
FOR EACH DEVICE IN
ROUTING TABLE &
PROVIDE STATUS INFO
TO IN-RANGE
COMMON CONTACTS

30

END

FIG. 3

FIG. 4